

ALDRIDGE

Aldridge Corporation Pty. Ltd.

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High Performance Membranes

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HPM-TC

HPM-TC SINGLE-PACK ALIPHATIC TOP COAT

FEATURES AND BENEFITS

- Easy to use and apply
- Quick skin building time and tack free surface
- No bubbling up to 0.6 mm thickness
- High UV resistance and light stability
- High resistance to puncture
- High resistance to fouling
- High resistance to chemicals
- >150% elongation
- Available in any colours

RECOMMENDED FOR

- High traffic areas
- Walkways
- Driveways
- Loading zones

HPM-TC is a high performance, hand-applied, moisture-curing single-pack polyurethane top coat. HPM-TC is vehicle or foot trafficable due to its high hardness.

Recommended Applications

It is designed for coating Polyurethane or Polyurea membranes to bring trafficability, easy cleaning and gloss.

A white version is possible as a cool-roof top coat: high reflectivity, low emissivity.

Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

		HPM-TC Aliphatic Top Coat
Composition		Single-Pack moisture curing Polyurethane
Specific Gravity	(g/cm ³)	1.05-1.3 depending on the colour
Service Temperature	(°C)	-20 to +80
Curing time	(hours)	Cured overnight
Shelf life	(months)	9
Non volatiles	(%)	80
Tensile Strength	(MPa)	13
Elongation	(%)	160
Hardness	(Shore A)	87
Angle Tear Strength	(Kg/cm)	35.5
Trouser Tear Strength	(Kg/cm)	13.3
UV resistance		Excellent
Re-coating interval	(days)	Maximum 2 days after application
Recommended substrate temperature	(°C)	+5 to +35
Recommended substrate moisture	(%)	Up to 5
Recommended relative humidity	(%)	Between 20 and 90



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Application

HPM-TC is supplied in ready-to-use pails.

HPM-TC can be applied with a brush or a roller to the desired thickness.

HPM-TC can be subject to pedestrian traffic after 24 hours.

It is recommended to allow 3 days of curing for vehicle traffic

Recoating Instructions

In normal conditions, HPM-TC can be recoated with another layer of HPM-TC after one night and within 2 days. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding. Contact your Aldridge Corporation representative for any question.

Diluting

HPM-TC should only be diluted with Xylene .Other solvents are not permitted.

Coverage

1 coat of 200-300 g/m² will provide a durable layer of 0.15-0.25 mm.

Clean Up

Reusable tools should be cleaned carefully with Xylene before curing.

Shelf Life

Shelf life of sealed HPM-TC in its original container is 6 months.

Always store closed containers in cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 5°C or above 35°C.

Safety & Handling

Please refer to the Material Safety Data Sheet (MSDS) for personal protection, proper handling and storage.

TECHNICAL DATA
ALDRIDGE CORPORATION